

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2002/Dec W5

\*File 155: Updating of completed records has resumed. See Help News155.  
Alert feature enhanced with customized scheduling. See HELP ALERT.

File 5:Biosis Previews(R) 1969-2003/Jan W1

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File 399:CA SEARCH(R) 1967-2003/UD=13802

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Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 34:SciSearch(R) Cited Ref Sci 1990-2003/Jan W1

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File 10:AGRICOLA 70-2003/Jan

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File 50:CAB Abstracts 1972-2002/Nov

(c) 2002 CAB International

\*File 50: Truncating CC codes is recommended for full retrieval.  
See Help News50 for details.

File 143:Biol. & Agric. Index 1983-2002/Nov

(c) 2002 The HW Wilson Co

File 357:Derwent Biotech Res. 1982-2003/Dec W5

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\*File 357: File is now current. See HELP NEWS 357.  
Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 342:Derwent Patents Citation Indx 1978-01/200245

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\*File 342: Updates 200160-200209 replaced. See HELP NEWS 342.  
Alert feature enhanced for multiple files, etc. See HELP ALERT.

File 65:Inside Conferences 1993-2003/Jan W1

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File 94:JICST-EPlus 1985-2003/Oct W4

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File 654:US PAT.FULL. 1976-2003/Jan 07

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\*File 654: is redesigned with new search and display features. See  
HELP NEWS654 for details. Reassignments current through Jun. 7, 2002.

File 203:AGRIS 1974-2002/Nov

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File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 08

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File 349:PCT FULLTEXT 1979-2002/UB=20030102,UT=20021226

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File 348:EUROPEAN PATENTS 1978-2002/Dec W03

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File 16:Gale Group PROMT(R) 1990-2003/Jan 08

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Set Items Description

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Cost is in DialUnits

?ds

Set	Items	Description
S1	189	(TEICH? OR LIPOTEICHOIC? OR (LIPO (3N) TEICHOIC?) OR PEPTI- DOGLYCAN?)/TI (100N) (VACCIN? OR THERAPEUT? OR TREAT? OR PREV- ENT?)
S2	118	RD (unique items)
S3	44	S2/1995:2002
S4	74	S2 NOT S3
S5	28	S2/1997:2002
S6	90	S2 NOT S5
S7	16	S6 NOT S4

?t s4/9/7 8 9 10 23 29 41 62

File 654:US PAT.FULL. 1976-2003/Jan 07  
 (c) FORMAT ONLY 2003 THE DIALOG CORP.  
 \*File 654: is redesigned with new search and display features. See  
 HELP NEWS654 for details. Reassignments current through Jun. 7, 2002.  
 File 348:EUROPEAN PATENTS 1978-2002/Dec W03  
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 File 305:Analytical Abstracts 1980-2003/Dec W3  
 (c) 2003 Royal Soc Chemistry  
 \*File 305: Alert feature enhanced for multiple files, duplicate  
 removal, customized scheduling. See HELP ALERT.  
 File 342:Derwent Patents Citation Indx 1978-01/200246  
 (c) 2003 Thomson Derwent  
 \*File 342: Updates 200160-200209 replaced. See HELP NEWS 342.  
 Alert feature enhanced for multiple files, etc. See HELP ALERT.  
 File 124:CLAIMS/REFERENCE 2001/2002Q2 (c) 2003 IFI/CLAIMS(R) PATENT SERVICES  
 File 162:CAB Health 1983-2002/Nov  
 (c) 2002 CAB International  
 \*File 162: Truncating CC codes is recommended for full retrieval.  
 See Help News162 for details.  
 File 10:AGRICOLA 70-2003/Jan  
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 File 35:Dissertation Abs Online 1861-2003/Dec  
 (c) 2003 ProQuest Info&Learning  
 File 50:CAB Abstracts 1972-2003/Dec  
 (c) 2003 CAB International  
 \*File 50: Truncating CC codes is recommended for full retrieval.  
 See Help News50 for details.  
 File 94:JICST-EPlus 1985-2003/Oct W4  
 (c)2003 Japan Science and Tech Corp(JST)  
 File 65:Inside Conferences 1993-2003/Jan W1  
 (c) 2003 BLDSC all rts. reserv.  
 File 344:Chinese Patents Abs Aug 1985-2002/Nov  
 (c) 2002 European Patent Office  
 File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 09  
 (c) 2003 The Gale Group

Set Items Description

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Cost is in DialUnits  
 ?ds

Set	Items	Description
S1	1690	(ANTITEICHOIC? OR (ANTI (2N) TEICHOIC?) OR LIPOTEICHOIC? OR (LIPO? (2N) TEICHOIC?))/TI
S2	526	S1/1996:2003
S3	1164	S1 NOT S2
?t s3/9/24 26 55 56 81 103 111 122 143 145 148 152 154 154 159 169 181 188 192		

3/9/24 (Item 24 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)

08052077 94178960 PMID: 8132355  
**Anti- lipoteichoic acid antibodies enhance release of cytokines by monocytes sensitized with lipoteichoic acid.**  
 Mancuso G; Tomasello F; Ofek I; Teti G  
 Istituto di Microbiologia, Facolta di Medicina e Chirurgia, Universita degli Studi di Messina, Italy.  
 Infection and immunity (UNITED STATES) Apr 1994, 62 (4) p1470-3,  
 ISSN 0019-9567 Journal Code: 0246127  
 Document type: Journal Article  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: Completed  
 Subfile: INDEX MEDICUS  
 Lipoteichoic acid (LTA) from gram-positive bacteria can stimulate monocytes to produce cytokines. To ascertain whether aggregation of LTA receptors can contribute to this effect, human monocytes were sensitized with LTA from Streptococcus pyogenes, washed, and treated with anti-LTA antibodies. The addition of anti-LTA antibodies or F(ab')2 fragments

File 50:CAB Abstracts 1972-2003/Dec  
 (c) 2003 CAB International  
 \*File 50: Truncating CC codes is recommended for full retrieval.  
 See Help News50 for details.  
 File 94:JICST-EPlus 1985-2003/Oct W4  
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Set Items Description

Cost is in DialUnits

?ds

Set	Items	Description
S1	1690	(ANTITEICHOIC? OR (ANTI (2N) TEICHOIC?) OR LIPOTEICHOIC? OR (LIPO? (2N) TEICHOIC?))/TI
S2	526	S1/1996:2003
S3	1164	S1 NOT S2
?t s3/9/468	472 483 485 486 298 342 346 363 364 397 399 416 418 421 423 502 517 520 539 5	56

3/9/468 (Item 168 from file: 5)  
 DIALOG(R)File 5:Biosis Previews(R)  
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05233493 BIOSIS NO.: 000082074115

**EFFECT OF MONOCLONAL ANTIBODIES AGAINST LIPOTEICHOIC -ACID FROM THE ORAL BACTERIUM STREPTOCOCCUS-MUTANS ON ITS ADHESION AND PLAQUE-ACCUMULATION IN-VITRO**

AUTHOR: STASHENKO P; PEROS W J; GIBBONS R J; DEARBORN S M  
 AUTHOR ADDRESS: FORSYTH DENTAL CENT., 140 FENWAY, BOSTON, MASS. 02115, USA.  
 JOURNAL: ARCH ORAL BIOL 31 (7). 1986. 455-462. 1986  
 FULL JOURNAL NAME: Archives of Oral Biology  
 CODEN: AOBIA  
 RECORD TYPE: Abstract  
 LANGUAGE: ENGLISH

ABSTRACT: Five monoclonal antibodies directed against Streptococcus mutans strain JBP lipoteichoic acid (LTA) were characterized. They were all similarly reactive with the immunizing LTA-containing extract, with intact Strep. mutans JBP cells and with LTA purified from Lactobacillus casei. Immobilized anti-LTA antibodies removes LTA from LTA-containing extracts. The binding of antibodies to LTA was inhibited by the aqueous extract but not by the organic extract of de-acylated LTA, indicating reactivity with the polyglycerol-phosphate portion of the molecule. Antibodies were reactive with all serotypes of Strep. mutans, as well as with strains of Streptococcus salivarius, Streptococcus sanguis and L. casei, but not with LTA-negative species Streptococcus mitis or Actinomyces viscosus. Anti-LTA antibodies at doses of 0.3 or 3.0 .mu.g/ml, had no effect on the adherence of Strep. mutants JBP to experimental salivary pellicles formed on hydroxyapatite, but enhanced adherence 150-300 per cent at 30 .mu.g/ml. There was no effect of anti-LTA antibodies in a chemostat model which measured sucrose-dependent plaque accumulation by Strep. mutans. The results argue against a major role for LTA in Strep mutans adherence or plaque accumulation in vitro.

DESCRIPTORS: STREPTOCOCCUS-SANGUIS STREPTOCOCCUS-SALIVARIUS  
 STREPTOCOCCUS-MITIS LACTOBACILLUS-CASEI ACTINOMYCES-VISCOSUS PATHOGENESIS  
 CONCEPT CODES:

19006	Dental and Oral Biology-Pathology
31000	Physiology and Biochemistry of Bacteria
34504	Immunology and Immunochemistry-Bacterial, Viral and Fungal
36002	Medical and Clinical Microbiology-Bacteriology
10064	Biochemical Studies-Proteins, Peptides and Amino Acids

3286061 80241201 PMID: 7396640

**The occurrence of teichoic acids in streptomycetes.**

Naumova I B; Kuznetsov V D; Kudrina K S; Bezzubenkov A P

Archives of microbiology (GERMANY, WEST) May 1980, 126 (1) p71-5,

ISSN 0302-8933 Journal Code: 0410427

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

The presence of teichoic acids in a number of streptomycetes led to the conclusion that these biopolymers were widely spread in genus *Streptomyces*. The nature of the teichoic acid present in the mycelium was determined by extracting it with 10% **trichloroacetic** acid, precipitating it with ethanol and identifying the precipitated polymer by partial acid and alkali hydrolysis to alditol, alditol phosphates and glycosylalditol phosphates. Most strains examined in this survey contained glycerol or ribitol teichoic acids; in some cases neither type was detected. Structurally teichoic acids closely resemble those of other genera of gram-positive bacteria and in many cases represent poly(glycerol phosphate) and poly(ribitol phosphate) chains. The proportion of alditol residues bearing sugar substituents varied widely. Three species of genus *Streptoverticillium* contained glycerol teichoic acids. It is believed that some of the data presented in this paper might be used with some success in taxonomic studies of streptomycetes.

Descriptors: \*Streptomyces--analysis--AN; \*Streptomycetaceae--analysis--AN; \*Teichoic Acids--analysis--AN; Chemistry; Streptomyces--classification--CL; Streptomycetaceae--classification--CL

CAS Registry No.: 0 (Teichoic Acids)

Record Date Created: 19800926